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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/650,007	08/28/2003	Yutaka Chiaki	2017.1017	8319
21171 7590 01/09/2008 STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER SANEI, HANA ASMAT	
			ART UNIT 2889	PAPER NUMBER
			MAIL DATE 01/09/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/650,007	Applicant(s) CHIAKI ET AL.	
	Examiner Hana A. Sanei	Art Unit 2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 10-26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 August 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>1/2/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Species 1, drawn to Claims 1-9, in the reply filed on 10/26/07 is acknowledged.

Claim(s) 1-26 are pending in the instant application.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

The drawings are objected to because Figs. 9-10 fail to list where respective 0% transmission begins and 100% transmission ends on the Y-coordinate axis.

Claim Objections

Claim 6 is objected to because of the following informalities: Examiner suggests modifying the phrase "alienating from" to -- having a predetermined space between -- to ensure further clarity.

Claim 10 is objected to because of the following informalities: In the amendment filed on 10/26/07, Claim 10 is entitled as "original," yet needs to read -- withdrawn -- as it's depending claims are entitled "withdrawn."

Appropriate correction is required.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claim(s) 1-2, 4-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Yabuki (US 6307671 B1).

Regarding Claim 1, Yabuki teaches a gas discharge display portion ("plasma display panel," Col. 1, lines 12-16) for generating gas discharge by using a gas containing at least either neon or helium ("neon gas in PDP," Col. 57, lines 8-9), and for displaying a color image by making a first, a second, and a third phosphor ("red, blue, green," Col. 1, lines 26-28) having different light-emitting colors emit light; and an optical filter portion (2, "filter layer," Col. 56, lines 65-67 – Col. 57, lines 1-20; See at least **Fig. 4**) provided to overlap an entire display screen (Fig. 1-2) on a front surface of a gas discharge space, wherein said optical filter portion includes an absorption region for selectively absorbing a light between 550 nm of wavelength and 620 nm of wavelength ("absorption spectrum having the maximum in the wavelength region of 560 nm to 620 nm," Col. 57, lines 1-3), and a width W_H (half-width in the range of 30 to 50 nm, Col. 57, lines 14-18) in the absorption region of a half-width transmittance T_H ($T_H = (T_P + T_V)/2$) between a transmittance T_P at an absorption peak in the absorption region and an average transmittance T_V in a visible light region is 30 nm or more (half-width in the range of 30 to 50 nm, Col. 57, lines 14-18).

Regarding Claim 2, Yabuki teaches that the optical filter portion (2, "filter layer," Col. 56, lines 65-67 – Col. 57, lines 1-20; See at least **Fig. 4**) is so adjusted that a half-width region width in the transmittance T_{550} at the wavelength of 550 nm and the transmittance T_{620} at the wavelength of 620 nm ("absorption spectrum having the

maximum in the wavelength region of 560 nm to 620 nm," Col. 57, lines 1-3) is 20 nm or more (half-width in the range of 30 to 50 nm, Col. 57, lines 14-18).

Regarding Claim 4, Yabuki teaches that the optical filter portion (2, "filter layer," Col. 56, lines 65-67 – Col. 57, lines 1-20; See at least **Fig. 4**) is constituted by including an optical film ("filter layer," Col. 56, lines 65-67) and a transparent substrate (1, "transparent support," Fig. 1) for protecting said gas discharge display portion, being provided on a front surface of the optical film.

Regarding Claim 5, Yabuki teaches that the optical film (2) is provided by tightly cohering with the transparent substrate, and by tightly cohering with said gas discharge display portion (Col. 75, lines 1-10).

Regarding Claim 6, Yabuki teaches that the optical film (2) is provided by tightly cohering with the transparent substrate, and by alienating from said gas discharge display portion (Col. 75, lines 1-10).

Regarding Claim 7, Yabuki teaches that the optical film (2) is provided by alienating from the transparent substrate, and by tightly cohering with said gas discharge display portion (Col. 75, lines 1-10).

Regarding Claim 8, Yabuki teaches that the optical film (2) is made of organic resin ("filter layer include acrylic resins," Col. 56, lines 55-58) in which a substance for absorbing a light of a specific wavelength is dispersed.

Regarding Claim 9, Yabuki teaches that an anti-reflection film (Col. 72, lines 11-25) is provided on a front surface of said optical filter portion (2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim(s) 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yabuki (US 6307671 B1) in view of Irie et al (EP 1107280 A1) as cited by Applicant.

Regarding Claim 3, Yabuki teaches the invention set forth above (see rejection in Claim 1 above). Yabuki is silent regarding peaks of the wavelength emitted by the first, second, and third phosphors.

In the same field of endeavor of plasma display panels, Irie teaches that the gas discharge display portion has a peak of the wavelength emitted by the first phosphor within a range of 523 nm to 538 nm, and peaks of the wavelengths emitted by the second phosphor within ranges of 589 nm to 595 nm, 607 nm to 613 nm, and 623 nm to 629 nm [0024] in order to ensure an even emission spectrum distribution of light emission colors [0025].

Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to modify the composition of the phosphors, as disclosed by Irie, in the PDP of Yabuki in order to ensure an even emission spectrum distribution of light emission colors.

Other Prior Art Cited

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Pat. No. 5332522 to Chen et al.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hana A. Sanei whose telephone number is (571)-272-8654. The examiner can normally be reached on Monday- Friday, 9 am - 5 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/ Hana A. Sanei /
Examiner

/Joseph L. Williams/
Primary Examiner